

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
 Data File : BM007038.D
 Acq On : 12 Aug 2016 11:46
 Operator : UM/SJ
 Sample : H4387-21
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PR002-SS001-1218-01

Manual Integrations
 APPROVED

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 8/15/2016 6:53:34 PM

Quant Time: Aug 15 15:20:39 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 01:51:15 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	405266	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1834271	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	1071716	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	2245729	20.00	ng/ul	0.00
75) Chrysene-d12	21.37	240	2114898	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	2288313	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	18927	2.04	ng/uL	0.00
5) Phenol-d5	6.97	99	461842	14.07	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	276456	14.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	371081	14.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	355253	13.15	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	187135	14.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	200932	14.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	405831	13.61	ng/ul	0.00
29) 4-Chloroaniline-d4	10.73	131	369481	10.42	ng/ul	0.00
43) Dimethylphthalate-d6	13.85	166	1262960	14.26	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1555797	14.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	168368	10.61	ng/ul	0.00
57) Fluorene-d10	15.43	176	1095931	14.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.55	200	99568	8.02	ng/ul	0.00
70) Anthracene-d10	17.29	188	1596990	15.35	ng/ul	0.00
76) Pyrene-d10	19.58	212	1575492	17.65	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.50	264	1564191	14.94	ng/ul	0.00

Target Compounds

						Ovalue
6) Phenol	7.00	94	38800	1.12	ng/ul	94
28) Naphthalene	10.65	128	92085	1.01	ng/ul	98
34) 2-Methylnaphthalene	12.26	142	107922	1.54	ng/ul	98
44) Dimethylphthalate	13.90	163	1280991	14.47	ng/ul	99
47) Acenaphthylene	14.16	152	840742	7.68	ng/ul	98
58) Fluorene	15.49	166	240581	2.83	ng/ul#	96
69) Phenanthrene	17.23	178	3848316	31.87	ng/ul	99
71) Anthracene	17.32	178	575235	4.64	ng/ul	99
74) Fluoranthene	19.24	202	3715868	25.37	ng/ul	99
77) Pyrene	19.61	202	6312464	53.99	ng/ul	99
80) Benzo(a)anthracene	21.36	228	2296586m	18.38	ng/ul	
82) Chrysene	21.41	228	2867005	25.11	ng/ul	95
85) Benzo(b)fluoranthene	22.97	252	2235984m	16.22	ng/ul	
86) Benzo(k)fluoranthene	22.99	252	808218m	6.24	ng/ul	
88) Benzo(a)pyrene	23.55	252	1990537	15.23	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.94	276	1165884	7.28	ng/ul	97
90) Dibenzo(a,h)anthracene	25.95	278	343883	2.56	ng/ul#	83
91) Benzo(g,h,i)perylene	26.65	276	1307692	9.66	ng/ul	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

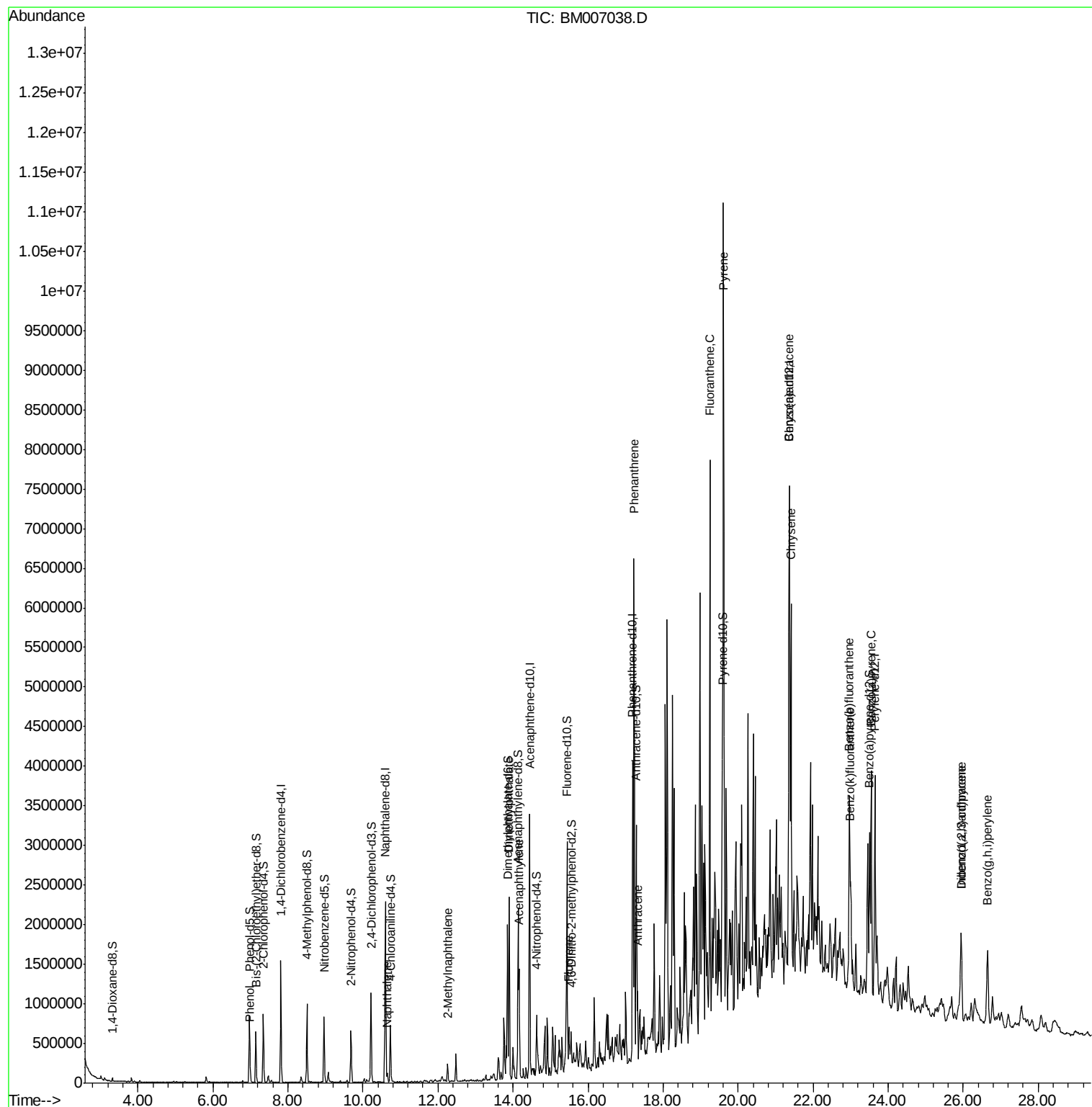
Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007038.D
Acq On : 12 Aug 2016 11:46
Operator : UM/SJ
Sample : H4387-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

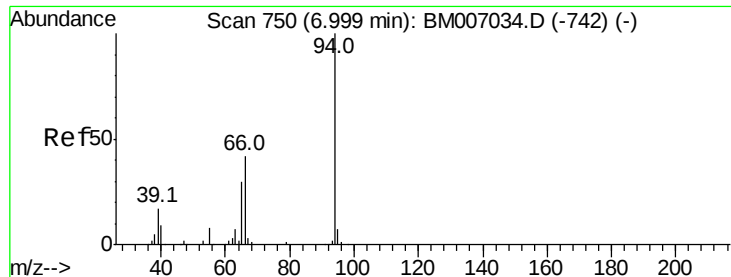
Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01

Manual Integrations
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Quant Time: Aug 15 15:20:39 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 01:51:15 2016
Response via : Initial Calibration





#6

Phenol

Concen: 1.12 ng/ul

RT: 7.00 min Scan# 750

Delta R.T. -0.01 min

Lab File: BM007038.D

Acq: 12 Aug 2016 11:46

Instrument :

BNA_M

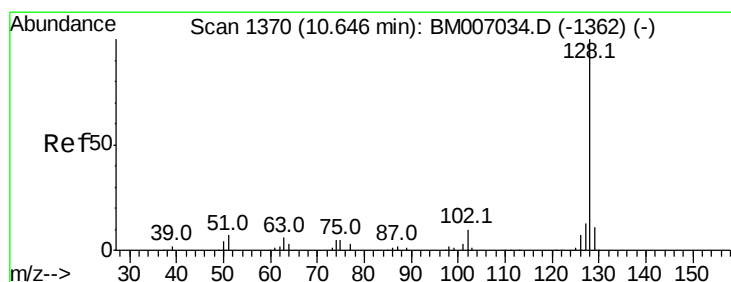
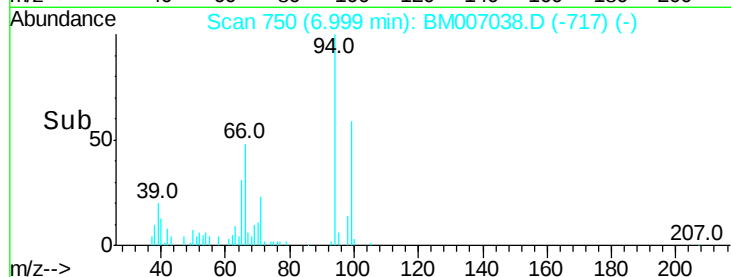
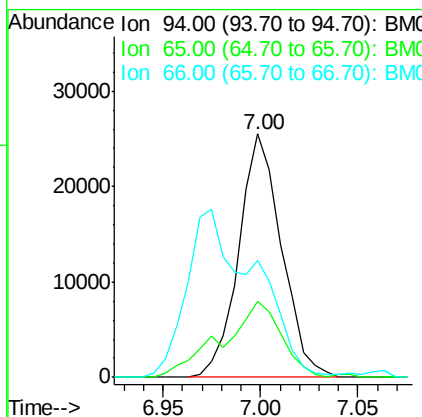
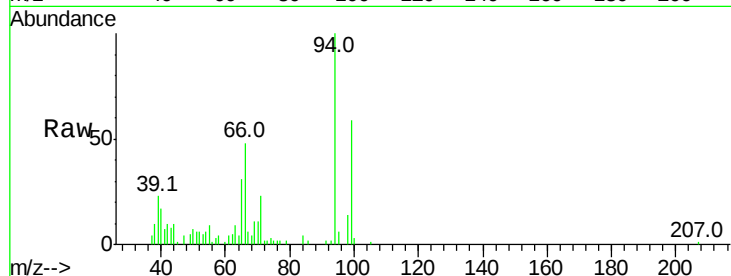
ClientSampleId :

PR002-SS001-1218-01

Tot Ion:	94	Resp:	38800
Ion Ratio	Lower	Upper	
94	100		
65	31.0	23.9	35.9
66	47.8	33.5	50.3

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#28

Naphthalene

Concen: 1.01 ng/ul

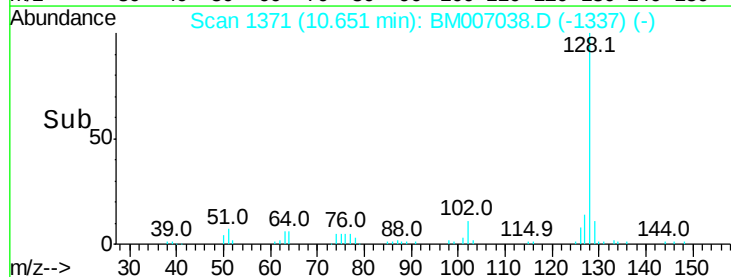
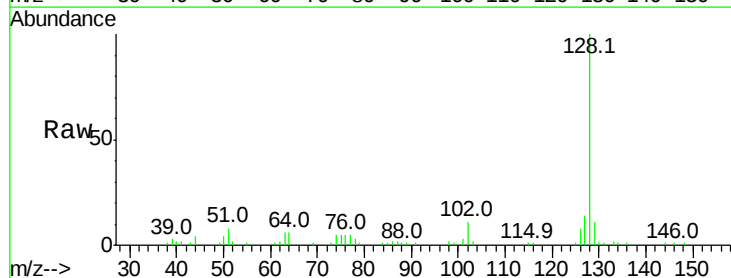
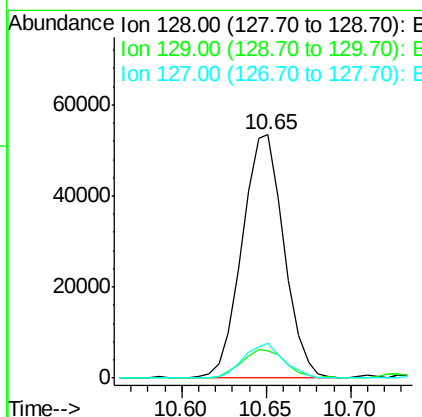
RT: 10.65 min Scan# 1371

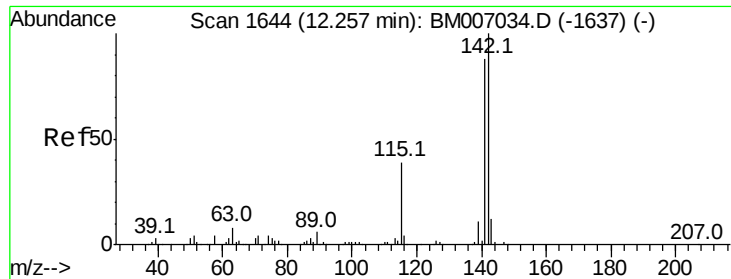
Delta R.T. 0.00 min

Lab File: BM007038.D

Acq: 12 Aug 2016 11:46

Tgt Ion:	128	Resp:	92085
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.6	12.8
127	14.1	10.6	15.8





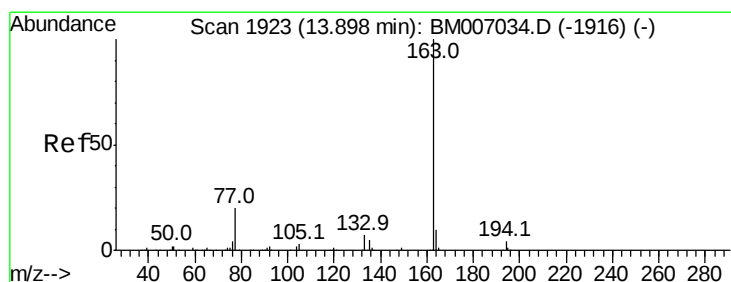
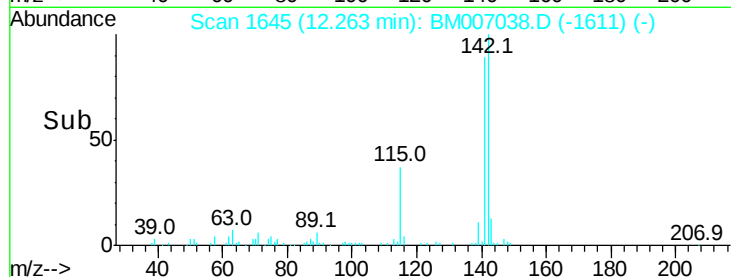
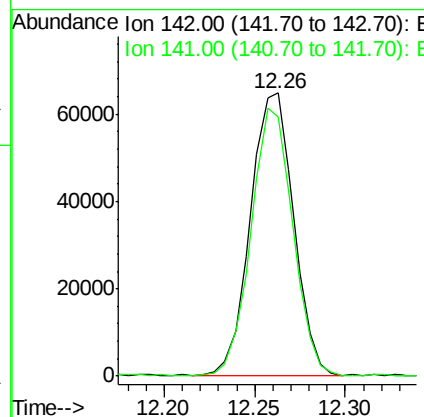
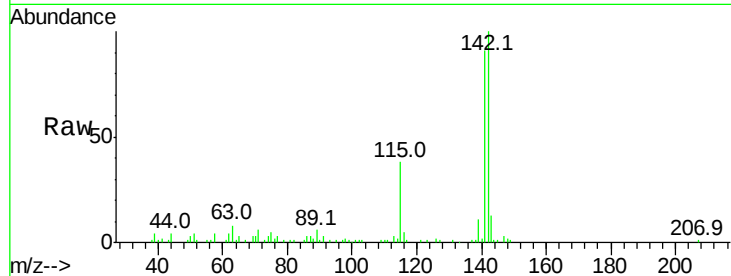
#34
2-Methylnaphthalene
Concen: 1.54 ng/ul
RT: 12.26 min Scan# 1645
Delta R.T. 0.00 min
Lab File: BM007038.D
Acq: 12 Aug 2016 11:46

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.3	71.3	106.9

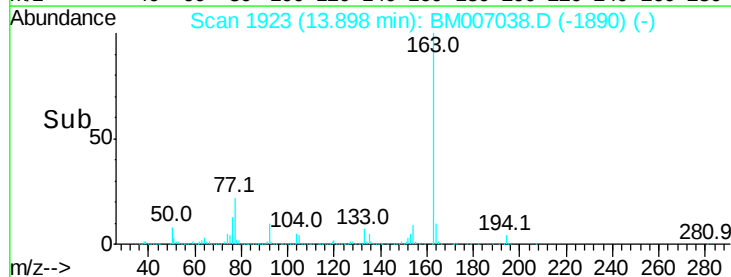
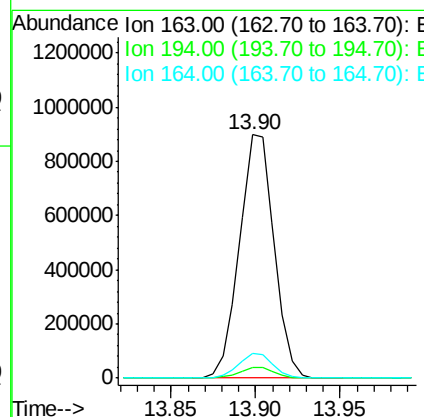
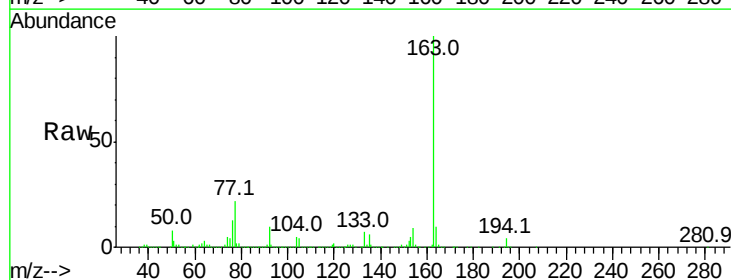
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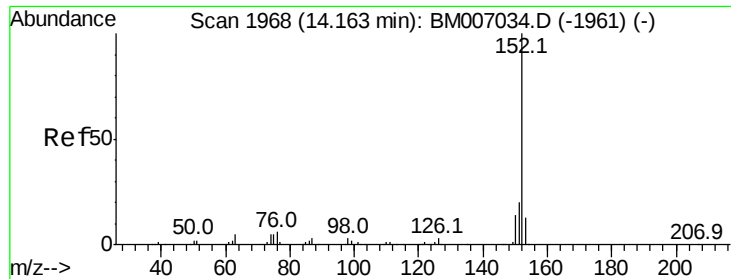
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#44
Dimethylphthalate
Concen: 14.47 ng/ul
RT: 13.90 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BM007038.D
Acq: 12 Aug 2016 11:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	7.8	11.8





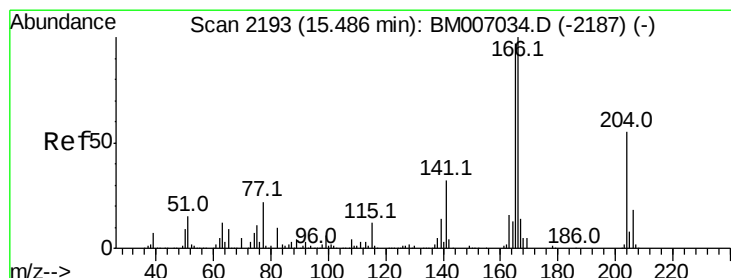
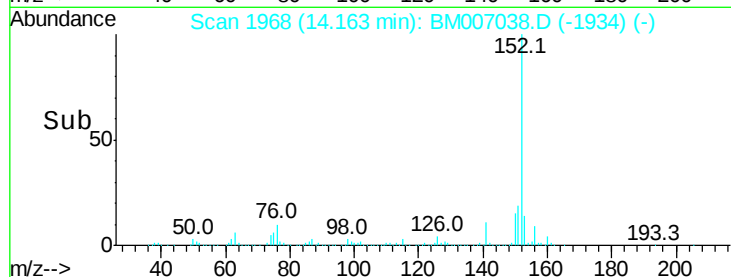
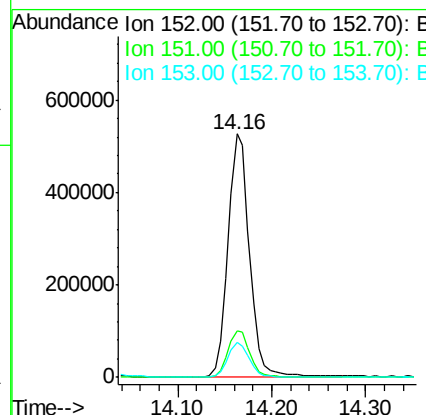
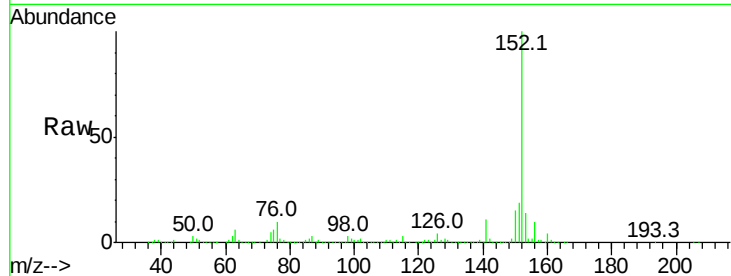
#47
Acenaphthylene
Concen: 7.68 ng/ul
RT: 14.16 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BM007038.D
Acq: 12 Aug 2016 11:46

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.0	24.0
153	14.4	11.0	16.6

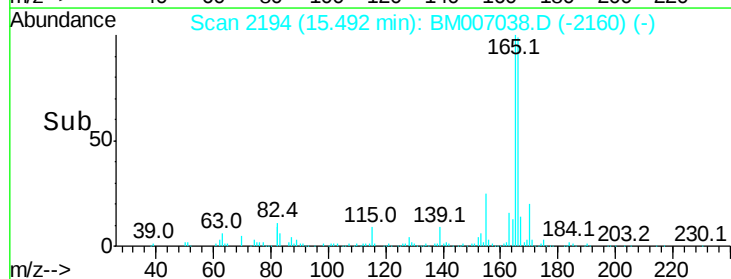
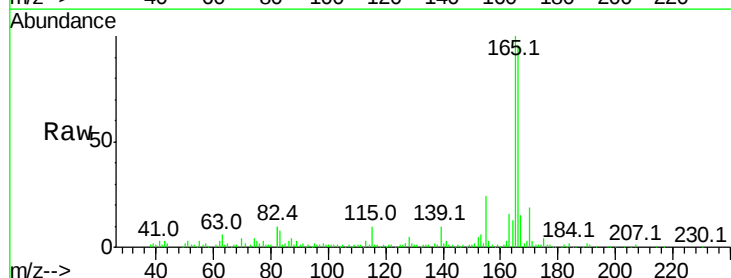
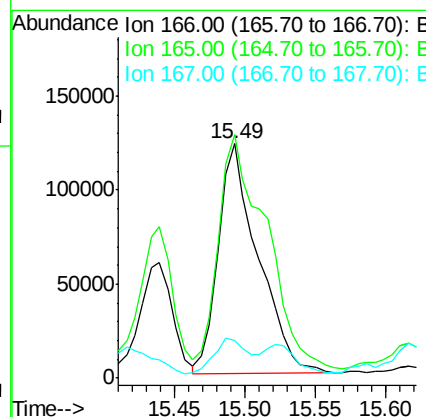
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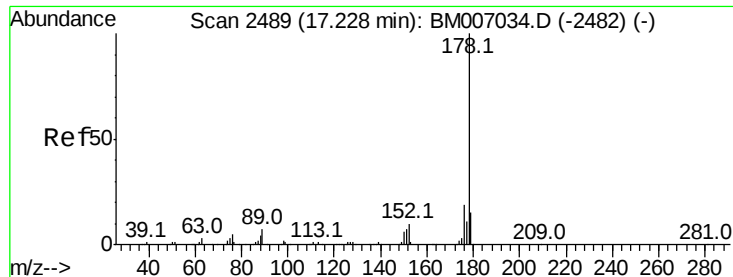
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#58
Fluorene
Concen: 2.83 ng/ul
RT: 15.49 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BM007038.D
Acq: 12 Aug 2016 11:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.9	79.9	119.9
167	15.8	10.5	15.7#





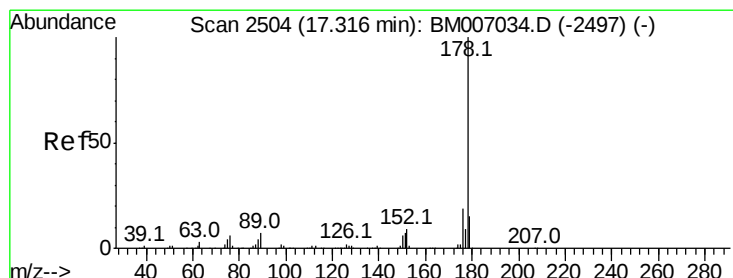
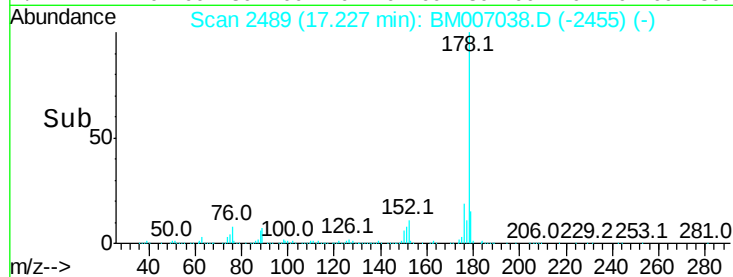
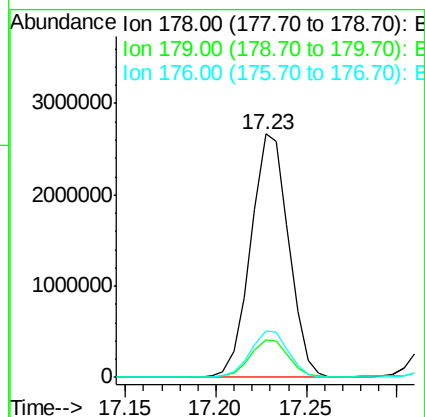
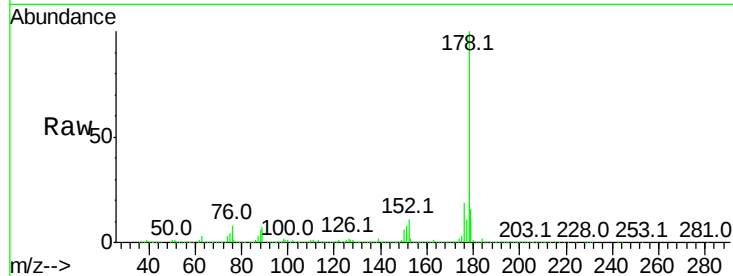
#69
Phenanthrene
Concen: 31.87 ng/ul
RT: 17.23 min Scan# 2489
Delta R.T. 0.00 min
Lab File: BM007038.D
Acq: 12 Aug 2016 11:46

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	19.4	15.1	22.7

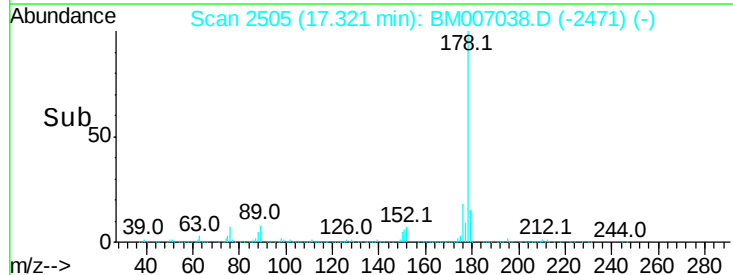
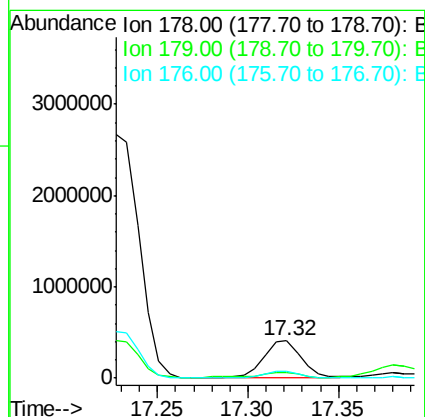
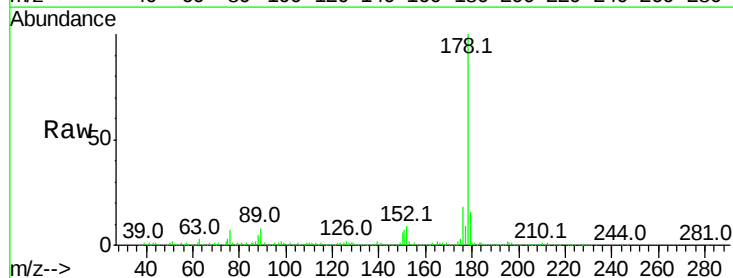
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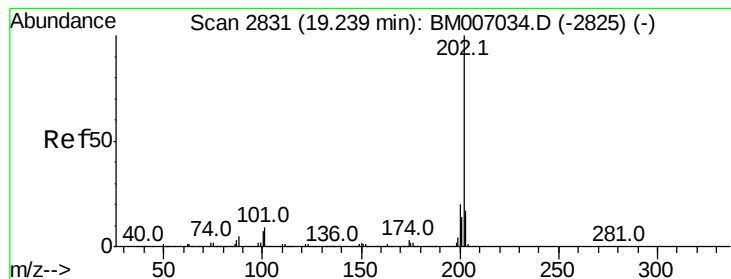
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#71
Anthracene
Concen: 4.64 ng/ul
RT: 17.32 min Scan# 2505
Delta R.T. 0.00 min
Lab File: BM007038.D
Acq: 12 Aug 2016 11:46

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.1	18.1
176	18.3	14.5	21.7





#74

Fluoranthene

Concen: 25.37 ng/ul

RT: 19.24 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BM007038.D

Acq: 12 Aug 2016 11:46

Instrument :

BNA_M

ClientSampleId :

PR002-SS001-1218-01

Tot Ion:202 Resp: 3715868

Ion Ratio Lower Upper

202 100

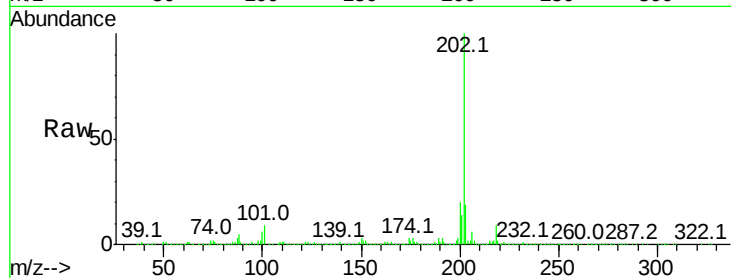
101 9.1 6.9 10.3

100 6.4 5.4 8.0

Manual Integrations
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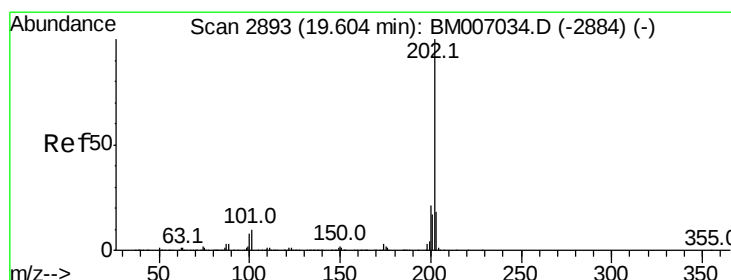
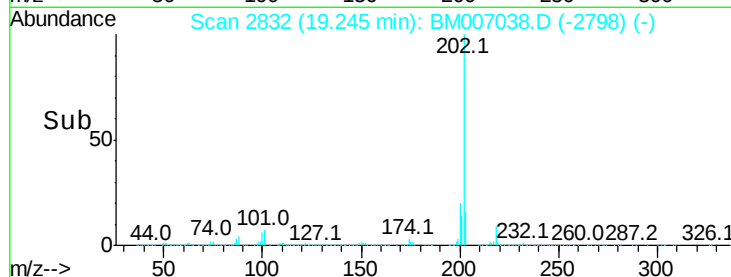
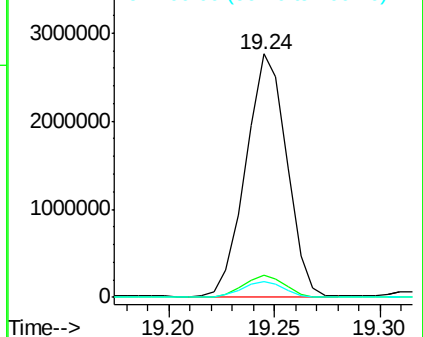
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 53.99 ng/ul

RT: 19.61 min Scan# 2894

Delta R.T. 0.01 min

Lab File: BM007038.D

Acq: 12 Aug 2016 11:46

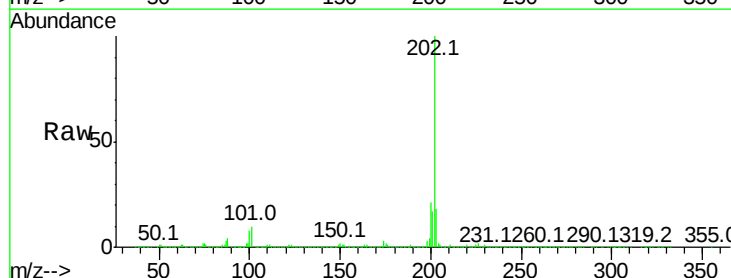
Tgt Ion:202 Resp: 6312464

Ion Ratio Lower Upper

202 100

101 10.3 8.4 12.6

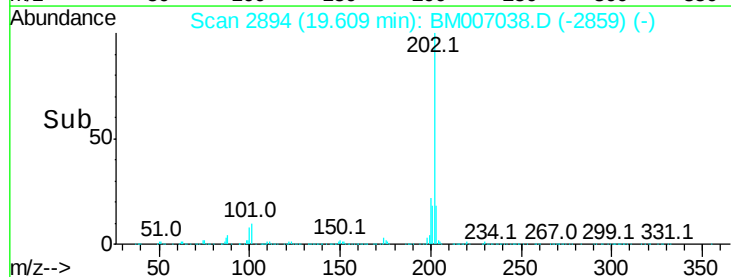
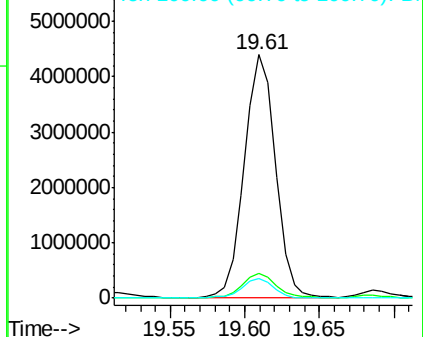
100 8.1 6.9 10.3

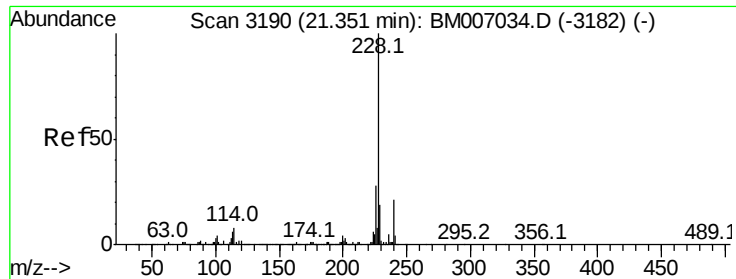


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





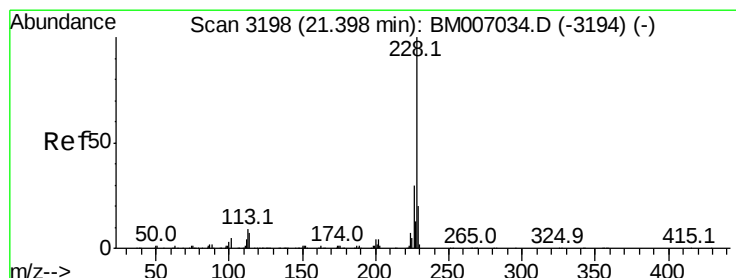
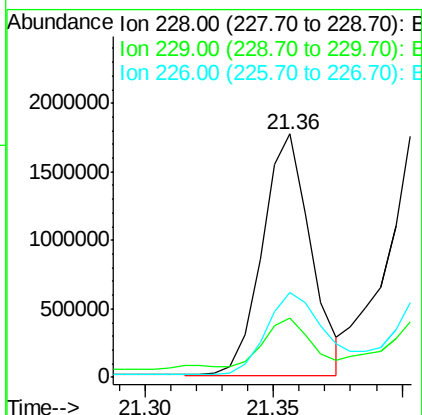
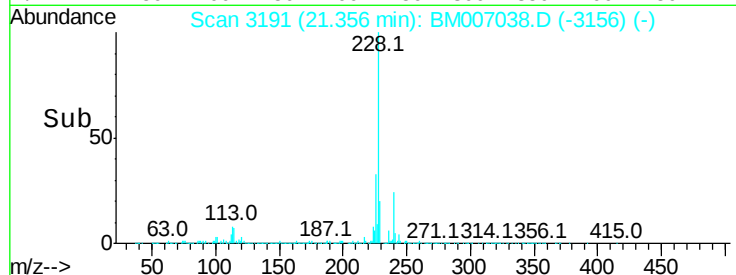
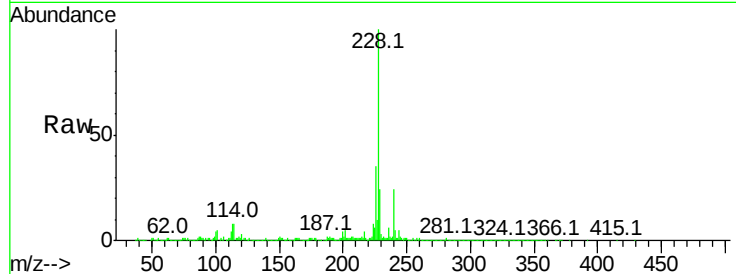
#80
Benzo(a)anthracene
Concen: 18.38 ng/ul m
RT: 21.36 min Scan# 3191
Delta R.T. 0.01 min
Lab File: BM007038.D
Acq: 12 Aug 2016 11:46

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01

Tot Ion	Ratio	Lower	Upper
228	100		
229	24.2	15.6	23.4#
226	34.8	21.8	32.8#

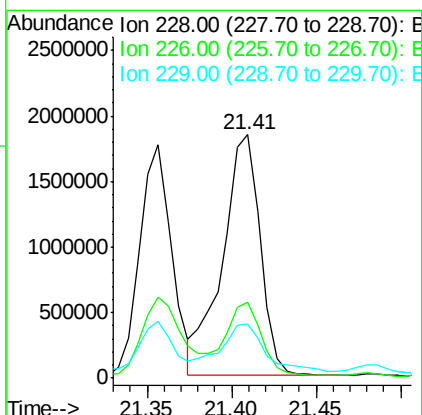
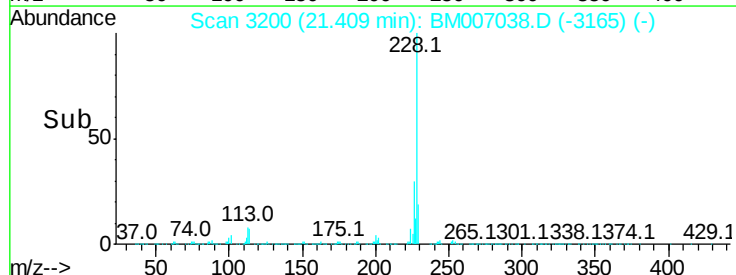
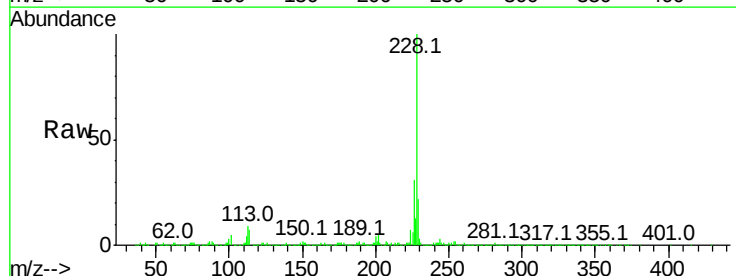
Manual Integrations
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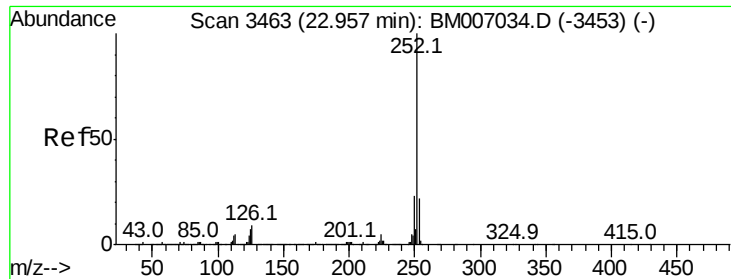
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#82
Chrysene
Concen: 25.11 ng/ul
RT: 21.41 min Scan# 3200
Delta R.T. 0.01 min
Lab File: BM007038.D
Acq: 12 Aug 2016 11:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.4	35.2
229	22.4	15.5	23.3





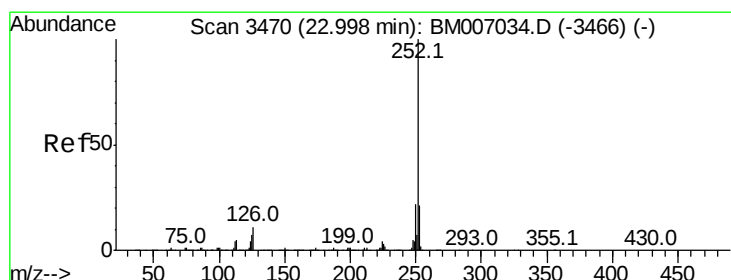
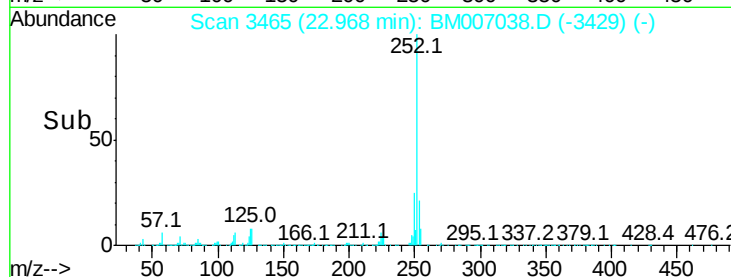
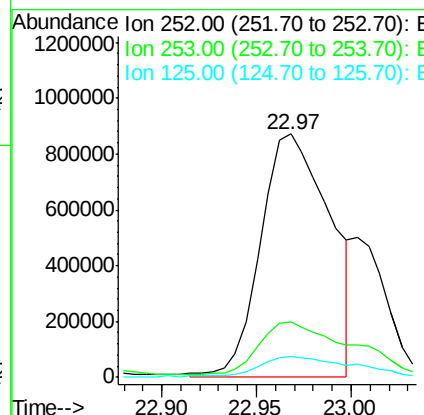
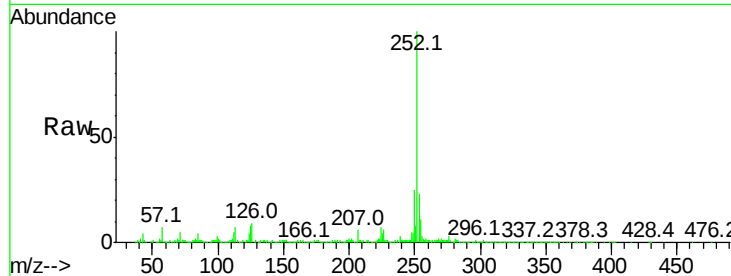
#85
Benzo(b)fluoranthene
Concen: 16.22 ng/ul m
RT: 22.97 min Scan# 3465
Delta R.T. 0.01 min
Lab File: BM007038.D
Acq: 12 Aug 2016 11:46

Instrument :
BNA_M
ClientSampleId :
PR002-SS001-1218-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	8.5	5.8	8.8

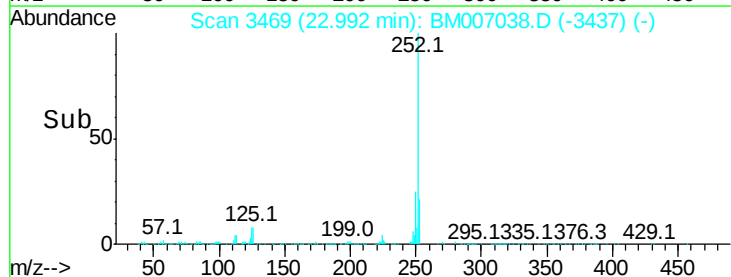
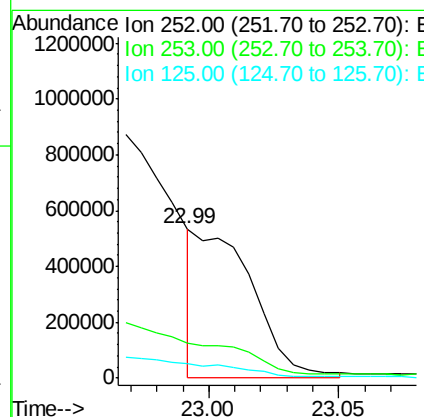
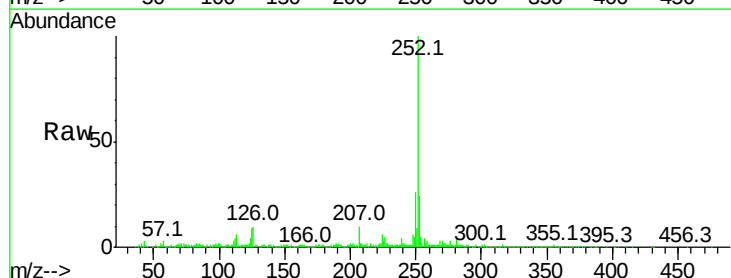
Manual Integrations
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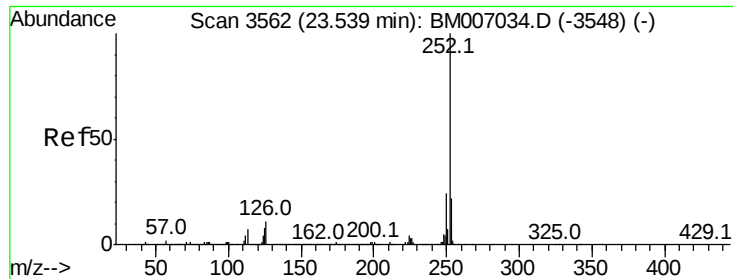
sohil
8/15/2016 6:53:34 PM



#86
Benzo(k)fluoranthene
Concen: 6.24 ng/ul m
RT: 22.99 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BM007038.D
Acq: 12 Aug 2016 11:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	9.4	5.7	8.5#





#88

Benzo(a)pyrene

Concen: 15.23 ng/ul

RT: 23.55 min Scan# 3564

Delta R.T. 0.01 min

Lab File: BM007038.D

Acq: 12 Aug 2016 11:46

Instrument :

BNA_M

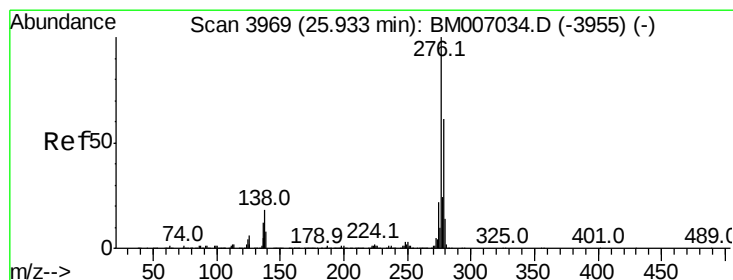
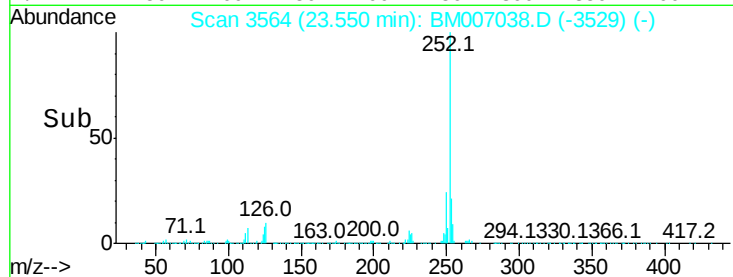
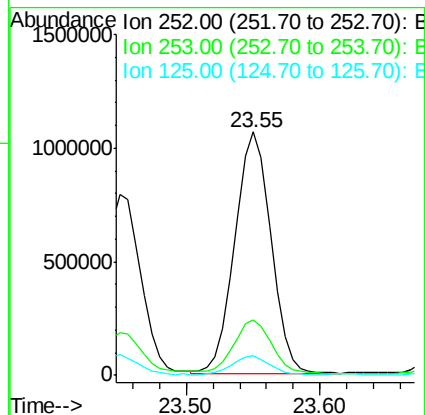
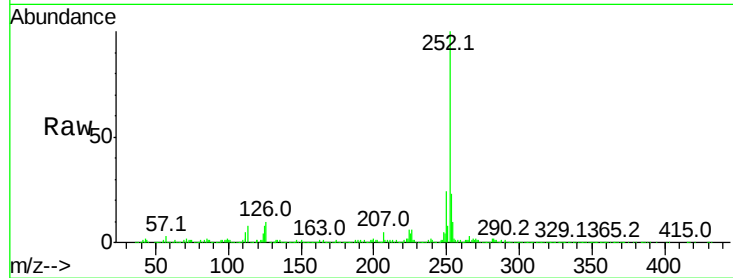
ClientSampleId :

PR002-SS001-1218-01

Tot Ion:	252	Resp:	1990537
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	8.2	6.6	9.8

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#89

Indeno(1,2,3-cd)pyrene

Concen: 7.28 ng/ul

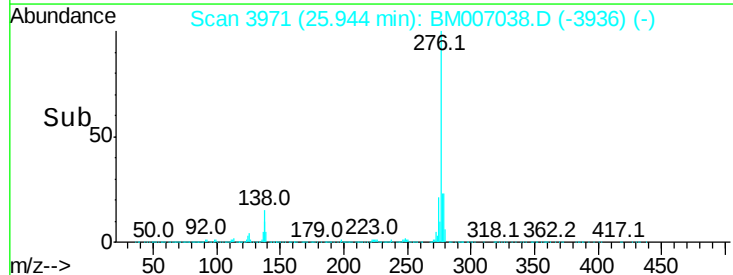
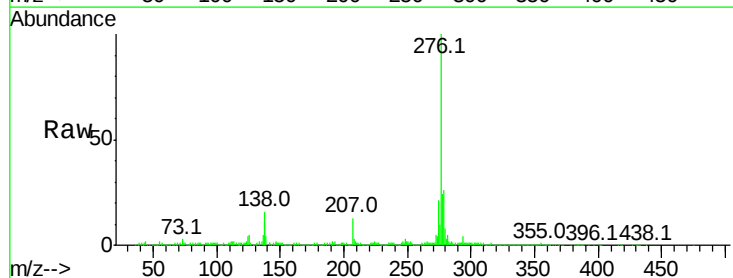
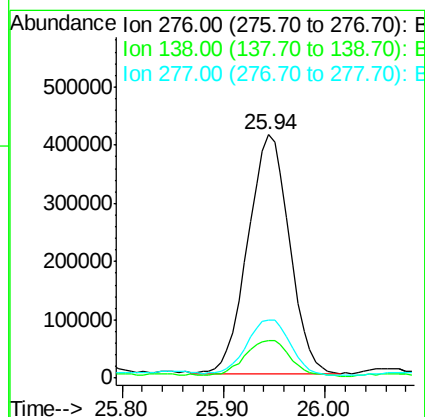
RT: 25.94 min Scan# 3971

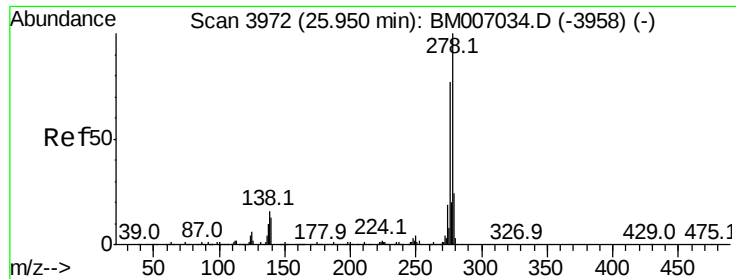
Delta R.T. 0.01 min

Lab File: BM007038.D

Acq: 12 Aug 2016 11:46

Tgt Ion:	276	Resp:	1165884
Ion	Ratio	Lower	Upper
276	100		
138	15.5	13.9	20.9
277	24.0	20.1	30.1





#90

Dibenzo(a,h)anthracene

Concen: 2.56 ng/ul

RT: 25.95 min Scan# 3972

Delta R.T. -0.01 min

Lab File: BM007038.D

Acq: 12 Aug 2016 11:46

Instrument :

BNA_M

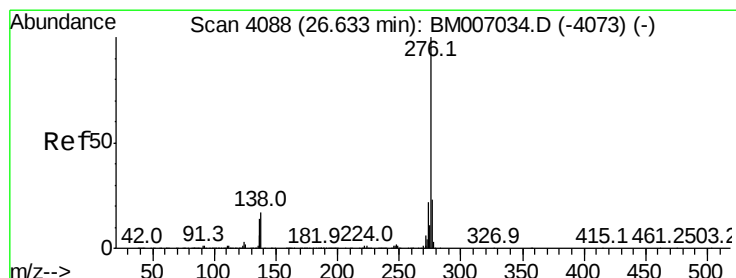
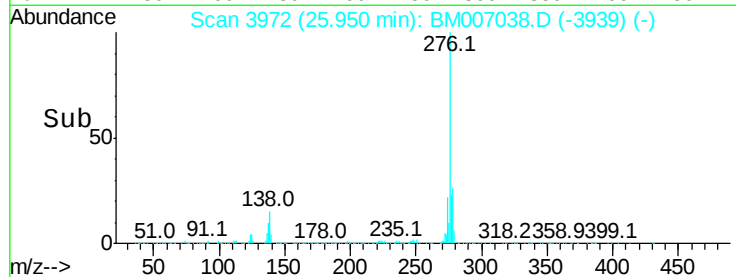
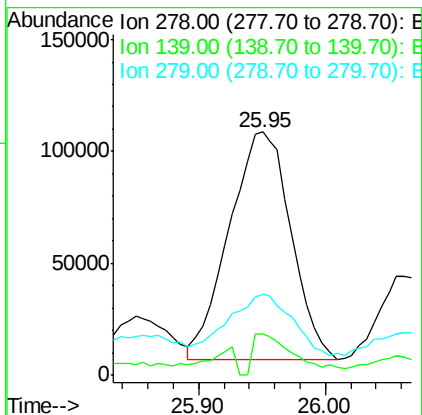
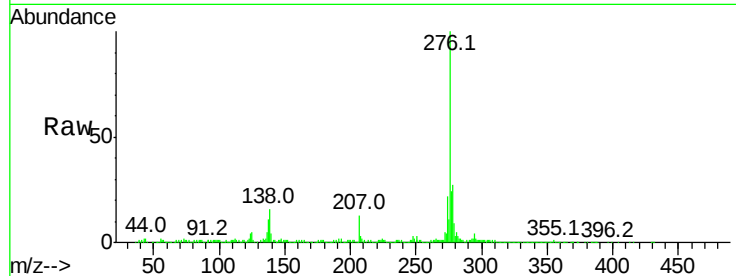
ClientSampleId :

PR002-SS001-1218-01

Tot Ion:	278	Resp:	343883
Ion Ratio	Lower	Upper	
278	100		
139	16.8	9.5	14.3#
279	33.4	19.1	28.7#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 9.66 ng/ul

RT: 26.65 min Scan# 4091

Delta R.T. 0.01 min

Lab File: BM007038.D

Acq: 12 Aug 2016 11:46

Tgt Ion:	276	Resp:	1307692
Ion Ratio	Lower	Upper	
276	100		
138	15.5	13.5	20.3
277	23.9	19.3	28.9

